

## ABSTRACT OF THE DISCLOSURE

A radio receiver unit which permits the electric power to be consumed in decreased amounts by a filter that suppresses the interference waves yet maintaining a quality of reception. The radio receiver unit has a FIR filter 16 for removing interference waves in a stage succeeding a receiving circuit unit 11 that receives RF signals containing desired waves and interference waves, and includes an interference wave power estimating unit 20 for estimating the magnitude of electric power of interference waves from the signal power measured by power measuring units 18, 19 and input to, and output from, the filter 16 . When the estimated value of interference wave power is smaller than a threshold value, a control unit 21 turns the FIR filter 16 off.